

CLAIMS

What is claimed is:

1 1. A mobile robot system, comprising:
2 a robot that has a camera that captures a video image;
3 a first remote station that has a first monitor and an
4 input device that receives input to cause movement of said
5 robot, said first monitor displays the video image; and,
6 a second remote station that has a second monitor that
7 also displays the video image.

1 2. The system of claim 1, wherein said first remote
2 station receives the video image from said robot, and
3 retransmits the video image to said second remote station.

1 3. The system of claim 1, wherein said robot
2 broadcast the video image to said first and second remote
3 stations.

1 4. The system of claim 1, wherein said robot has a
2 microphone, and said first and second remote stations each
3 have a speaker that receive a sound from said microphone.

1 5. The system of claim 1, wherein said robot includes
2 a monitor and a speaker, and said first remote station
3 includes a camera and a microphone.

1 6. The system of claim 1, wherein said robot includes
2 a platform that provides three degrees of freedom.

1 7. The system of claim 1, further comprising a base
2 station wirelessly coupled to said robot.

1 8. A mobile robot system, comprising:
2 a robot that has a first camera that capture a video
3 image;
4 first remote station means for controlling movement of
5 said first robot and displaying the video image; and,
6 second remote station means for displaying the video
7 image.

1 9. The system of claim 8, wherein said first remote
2 station means receives the video image from said robot, and
3 retransmits the video image to said second remote station
4 means.

1 10. The system of claim 8, wherein said robot
2 broadcast the video image to said first and second remote
3 stations means.

1 11. The system of claim 8, wherein said robot has a
2 microphone, and said first and second remote station means
3 each emit a sound provided by said microphone.

1 12. The system of claim 8, wherein said robot includes
2 a monitor and a speaker, and said first remote station
3 means includes a camera and a microphone.

1 13. The system of claim 8, wherein said robot includes
2 a platform that provides three degrees of freedom.

1 14. The system of claim 8, further comprising a base
2 station wirelessly coupled to said robot.

1 15. A method for operating a robot, comprising:
2 controlling movement of a robot through a first remote
3 station, the mobile robot having a camera that captures a
4 video image;

5 displaying the video image at the first remote station
6 and a second remote station.

1 16. The method of claim 15, wherein the first remote
2 station receives and retransmits the video image to the
3 second remote station.

1 17. The method of claim 15, wherein the robot
2 broadcast the video image to the first and second remote
3 stations.

1 18. The method of claim 15, further comprising
2 generating a sound at the first and second remote stations
3 that is provided by the robot.

1 19. A mobile robot system, comprising:
2 a broadband network;
3 a robot that is coupled to said broadband network and
4 has a camera that captures a video image;
5 a first remote station that is coupled to said
6 broadband network, said first remote station has a first
7 monitor and an input device that receives input to cause

8 movement of said robot, said first monitor displays the
9 video image from said camera; and,
10 a second remote station that is coupled to said
11 broadband network and has a second monitor that also
12 displays the video image.

1 20. The system of claim 19, wherein said first remote
2 station receives the video image from said robot through
3 said broadband network, and retransmits the video image to
4 said second remote station.

1 21. The system of claim 19, wherein said robot
2 broadcast the video image to said first and second remote
3 stations through said broadband network.

1 22. The system of claim 19, wherein said robot has a
2 microphone, and said first and second remote stations each
3 have a speaker that receive a sound from said microphone
4 transmitted through said broadband network.

1 23. The system of claim 19, wherein said robot
2 includes a monitor and a speaker, and said first remote
3 station includes a camera and a microphone.

1 24. The system of claim 19, wherein said robot
2 includes a platform that provides three degrees of freedom.

1 25. The system of claim 19, further comprising a base
2 station that is coupled to said broadband network and
3 wirelessly coupled to said robot.

1 26. A mobile robot system, comprising:

2 a broadband network;

3 a robot that is coupled to said broadband network and

4 has a camera that captures a video image that is

5 transmitted through said broadband network;

6 first remote station means for controlling movement of

7 said first robot and displaying the video image transmitted

8 through said broadband network; and,

9 second remote station means for displaying the video

10 image.

1 27. The system of claim 26, wherein said first remote
2 station means receives the video image from said robot, and
3 retransmits the video image to said second remote station.

1 28. The system of claim 26, wherein said robot
2 broadcast the video image to said first and second remote
3 stations means.

1 29. The system of claim 26, wherein said robot has a
2 microphone, and said first and second remote station means
3 each emit a sound provided by said microphone transmitted
4 through said broadband network.

1 30. The system of claim 26, wherein said robot
2 includes a monitor and a speaker, and said first remote
3 station means includes a camera and a microphone.

1 31. The system of claim 26, wherein said robot
2 includes a platform that provides three degrees of freedom.

1 32. The system of claim 26, further comprising a base
2 station that is coupled to said broadband network and is
3 wirelessly coupled to said robot.

1 33. A method for operating a robot, comprising:
2 controlling movement of a robot through a first remote
3 station and a broadband network, the robot having a camera
4 that captures a video image;
5 transmitting the video image through the broadband
6 network; and,
7 displaying the video image at the first remote station
8 and a second remote station.

1 34. The method of claim 33, wherein the first remote
2 station receives and retransmits the video image to the
3 second remote station.

1 35. The method of claim 33, wherein the robot
2 broadcast the video image to the first and second remote
3 stations.

1 36. The method of claim 33, further comprising
2 generating a sound at the first and second remote stations
3 that is provided by the robot.